

AMENDMENTS

In the claims

Please add the following new claims 19-31, as shown below.

--19. (New) An anastomotic system for positioning a bypass graft comprising:
a tissue puncturing tool adapted to puncture a tissue wall to form an enlargeable orifice;
an elongate sheath having a proximal end and a distal end and defining a lumen
therebetween, said sheath being adapted to be advanced through said tissue wall and positioned
within said orifice; and
an inserter slidably disposed within the sheath lumen and adapted to advance at least a
portion of a tubular bypass graft through the sheath distal end;
wherein the sheath and plunger are each removable from around the graft.

20. (New) The system of claim 19 further comprising a tissue dilator having at a
distal end a dilating tip.

21. (New) The system of claim 20 wherein the tissue puncturing tool is slideably
supported within the dilator.

22. (New) The system of claim 19 further comprising a fitting affixed to the graft.

23. (New) The system of claim 22 wherein a distal end of the graft is everted over a
distal end of the fitting.

24. (New) The system of claim 22 wherein the fitting comprises a tubular portion
with a proximal end and a distal end, and wherein at least one self-expanding petal is disposed on
the tubular portion distal end and is adapted to compress into a low profile for insertion through a

sheath and self-expand towards at least one resting geometry upon advancing beyond the sheath distal end.

25. (New) The system of claim 19 further comprising an everting tool adapted to evert a distal portion of the graft for placement within the orifice.

26. (New) The system of claim 19 wherein the sheath is splittable longitudinally along at least one side of the sheath.

27. (New) The system of claim 19 wherein the inserter is splittable longitudinally along at least one side of the inserter.

28. (New) The system of claim 19 wherein the elongate sheath is flexible.

29. (New) The system of claim 19 wherein the sheath has a tapered distal end.

30. (New) The system of claim 19 wherein the tissue puncturing tool comprises a needle.

31. (New) The system of claim 19 wherein the tissue puncturing tool comprises a needle and guidewire.--